

STATEMENT OF BASIS (AI No. 24740)

for draft Louisiana Pollutant Discharge Elimination System permit No. LA0106607 to discharge to waters of the State of Louisiana.

THE APPLICANT IS: West Jefferson Levee District
7001 River Road
Marrero, LA 70072

ISSUING OFFICE: Louisiana Department of Environmental Quality (LDEQ)
Office of Environmental Services
Post Office Box 4313
Baton Rouge, Louisiana 70821-4313

PREPARED BY: Ronda Burtch

DATE PREPARED: August 18, 2009

1. PERMIT STATUS

A. Reason For Permit Action:

Permit reissuance of a Louisiana Pollutant Discharge Elimination System (LPDES) permit for a 5-year term.

**B. NPDES permit - NPDES permit effective date: N/A
NPDES permit expiration date: N/A**

**C. LPDES permit - LA0106607
LPDES permit effective date: November 1, 2003
LPDES permit expiration date: October 31, 2008**

D. Date Application Received: December 22, 2008

2. FACILITY INFORMATION

A. FACILITY TYPE/ACTIVITY - office and equipment maintenance facility

This facility maintains equipment used for levee maintenance, such as lawn mowers and tractors. This includes washing and repairing of the equipment.

B. FEE RATE

1. Fee Rating Facility Type: minor
2. Complexity Type: I
3. Wastewater Type: III
4. SIC codes: 7699 and 7542

**C. LOCATION - 7001 River Road, Marrero, Jefferson Parish
Latitude 29° 54' 09", Longitude 90° 07' 01"**

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3. OUTFALL INFORMATION

Outfall 001

Discharge Type: stormwater and previously treated maintenance shop drain water and sanitary wastewater

Treatment: maintenance shop drain water and sanitary wastewater are treated in an extended aeration sewage treatment plant with chlorine disinfection prior to commingling with stormwater

Location: at the point of discharge from the stormwater drain, located northeast of the facility offices along River Road, prior to mixing with other waters

Flow: 5,190 GPD

Discharge Route: unnamed ditch, thence into Dugues Canal, thence into Bayou Segnette

Outfall 002

Discharge Type: equipment wash rack water and stormwater

Treatment: the equipment wash rack water and some stormwater is treated by four (4) sand traps, prior to commingling with untreated stormwater

Location: at the point of discharge, from the stormwater drain near the wash rack, north of the facility offices along River Road, prior to mixing with other waters

Flow: 5,740 GPD

Discharge Route: unnamed ditch, thence into Dugues Canal, thence into Bayou Segnette

4. RECEIVING WATERS

STREAM: unnamed ditch, thence into Dugues Canal, thence into Bayou Segnette

BASIN AND SEGMENT: Barataria Basin, Segment 020601

DESIGNATED USES: a. primary contact recreation
 b. secondary contact recreation
 c. propagation of fish and wildlife

5. TMDL STATUS

Subsegment 020601, Intracoastal Waterway – From Bayou Villars to Mississippi River (Estuarine), is listed on LDEQ's Final 2006 303(d) List as impaired for pathogen indicators. To date no TMDLs have been completed for this waterbody. A reopener clause will be established in the permit to allow for the requirement of more stringent effluent limitations and requirements as imposed by a TMDL. Until completion of TMDLs for the Barataria Basin, those suspected causes for impairment which are not directly attributed to the office and equipment maintenance facility point source category have been eliminated in the formulation of effluent limitations and other requirements of this permit. Additionally, suspected causes of impairment which could be attributed to pollutants which were not determined to be discharged at a level which would cause, have the reasonable potential to cause or contribute to an excursion above any present state water quality standard were also eliminated.

This facility does discharge sanitary wastewater from Outfall 001, which may cause or contribute to the fecal coliform impairment. However, due to the small volume of discharge, standard fecal coliform limits on Outfall 001, should adequately address the potential of the discharge to further impair the receiving waterbody.

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6. CHANGES FROM PREVIOUS PERMIT

1. The "Visible Sheen" parameter for Outfall 002 has been changed to "Oil & Grease, visual."
2. The previous permit had this facility located in subsegment 020701; however, this facility is located and discharges into subsegment 020601. Therefore, the subsegment number has been updated in this permit to reflect the location of the facility.
3. For the effluent pathway, Dugas Canal has been changed to Dugues Canal.
4. Outfall location descriptions have been updated to reflect the current application.

7. COMPLIANCE HISTORY/COMMENTS

A. OEC - A review of the files for the period of August 1, 2007 through July 31, 2009 revealed the following:

1. No recent enforcement actions have been administered against this facility.

*The last water Compliance Order WE-C-98-0134 was issued to this facility on August 6, 1998.

2. Inspections on November 19, 2008, February 4, 2009 and March 12, 2009 revealed the following:

- a. Several loads of tree trunks, tree limbs, grass, and household items were found dumped along the Kenta Canal on the unprotected side of the levee that borders the Jean Lafitte Park in Marrero on 11/19/08. The area is protected by chain link fences. Access to the area is through a gate with three combination locks. The incident is an unpermitted dump.
- b. On 11/21/08 the condition was brought to the attention of the Executive Director, who agreed to have the waste removed. On 2/4/09 more waste was discovered added to the same area. Some of the waste spilled into the wetlands. As of 3/12/09 the waste had not been cleaned up.

B. DMR Review/Excursions

A DMR review for the period of August 1, 2007 through July 31, 2009, revealed the following excursions.

Outfall 001

Date	Parameter	Reported Value	Permit Limits
July – September 2007	TSS, Daily Max Fecal Coliform, Daily Max	61 mg/l 818 col/100 ml	45 mg/l 400 col/100 ml

Outfall 002

Date	Parameter	Reported Value	Permit Limits
January – March 2008	COD, Monthly Avg COD, Daily Max	303 mg/l 303 mg/l	200 mg/l 300 mg/l
April – June 2008	TSS, Daily Max	54 mg/l	45 mg/l

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8. EXISTING EFFLUENT LIMITS

Outfall 001 - combined maintenance shop drain water, treated sanitary wastewater, and stormwater

Pollutant	Limitation		Reference
	Monthly Avg	Daily Max	
	mg/L		
Flow	Report	Report	LAC33:IX.2361.1.1.b; Previous permit
BOD ₅	---	45	LAG480000 Schedule A; Previous Permit
COD	---	125	Previous Permit
TSS	---	45	LAG480000 Schedule A; Previous Permit
Oil and Grease	---	15	LAG480000 Schedule C; Previous Permit
Fecal Coliform (col/100 ml)	---	400	LAG480000 Schedule A; Previous Permit
pH (s.u.)	6.0	9.0	LAG480000 Schedules A and C; Previous Permit

Outfall 002 – combined equipment wash rack water and stormwater

Pollutant	Limitation		Reference
	Monthly Avg	Daily Max	
	mg/L.		
Flow	Report	Report	LAC33:IX.2361.1.1.b; Previous permit
TSS	---	45	LAG480000 Schedule B; Previous Permit
COD	200	300	LAG480000 Schedule B; Previous Permit
Oil and Grease	---	15	LAG480000 Schedule B; Previous Permit
pH (s.u.)	6.0	9.0	LAG480000 Schedule B; Previous Permit
Soaps /Detergents	Report	---	LAG480000 Schedule B; Previous Permit
Visible Sheen	No Presence		LAG480000 Schedule B

9. ENDANGERED SPECIES

The receiving waterbody, Subsegment 020601 of the Barataria Basin is not listed in Section II.2 of the Implementation Strategy as requiring consultation with the U.S. Fish and Wildlife Service (FWS). This strategy was submitted with a letter dated November 17, 2008 from Rieck (FWS) to Nolan (LDEQ). Therefore, in accordance with the Memorandum of Understanding between the LDEQ and the FWS, no further informal (Section 7, Endangered Species Act) consultation is required. The effluent limitations established in the permit ensure protection of aquatic life and maintenance of the receiving water as aquatic habitat. Therefore, the issuance of the LPDES permit is not likely to have an adverse effect on any endangered or candidate species or the critical habitat.

10. HISTORIC SITES

The discharge is from an existing facility location, which does not include an expansion on undisturbed soils. Therefore, there should be no potential effect to sites or properties on or eligible for listing on the National Register of Historic Places, and in accordance with the "Memorandum of Understanding for the Protection of Historic Properties in Louisiana

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Regarding LPDES Permits" no consultation with the Louisiana State Historic Preservation Officer is required.

11. TENTATIVE DETERMINATION

On the basis of preliminary staff review, the Department of Environmental Quality has made a tentative determination to reissue a permit for the discharge described in the application.

12. PUBLIC NOTICES

Upon publication of the public notice, a public comment period shall begin on the date of publication and last for at least 30 days thereafter. During this period, any interested persons may submit written comments on the draft permit and may request a public hearing to clarify issues involved in the permit decision at this Office's address on the first page of the statement of basis. A request for a public hearing shall be in writing and shall state the nature of the issues proposed to be raised in the hearing.

Public notice published in:

Local newspaper of general circulation

Office of Environmental Services Public Notice Mailing List

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RATIONALE FOR WEST JEFFERSON LEVEE DISTRICT

1. **Outfall 001** – stormwater and previously treated maintenance shop drain water and sanitary wastewater (estimated flow is 5,190 GPD)

Pollutant	Limitation		Reference
	Monthly Avg	Daily Max	
	mg/L		
Flow	Report	Report	LAC33:IX.2361.1.1.b; Previous permit
BOD ₅	---	45	LAG480000 Schedule A; Previous Permit
COD	---	125	Previous Permit
TSS	---	45	LAG480000 Schedule A; Previous Permit
Oil and Grease	---	15	LAG480000 Schedule C; Previous Permit
Fecal Coliform (col/100 ml)	---	400	LAG480000 Schedule A; Previous Permit
pH (s.u.)	6.0 (min)	9.0 (max)	LAG480000 Schedules A and C; Previous Permit

Treatment: The maintenance shop drain water and sanitary wastewater are treated by an extended aeration sewage treatment plant with chlorine disinfection, prior to commingling with stormwater.

Monitoring Frequency: Quarterly at the point of discharge from the stormwater drain, located northeast of the facility offices along River Road

Limits Justification: Limits are based on the Light Commercial General Permit, LAG480000 (Schedules A and C) and the previous permit.

2. **Outfall 002** - equipment wash rack water and stormwater (estimated flow is 5,740 GPD)

Pollutant	Limitation		Reference
	Monthly Avg	Daily Max	
	mg/L		
Flow	Report	Report	LAC33:IX.2361.1.1.b; Previous permit
TSS	---	45	LAG480000 Schedule B; Previous Permit
COD	200	300	LAG480000 Schedule B; Previous Permit
Oil and Grease	---	15	LAG480000 Schedule B; Previous Permit
pH (s.u.)	6.0 min	9.0 max	LAG480000 Schedule B; Previous Permit
Soaps/Detergents (*)	Report	---	LAG480000 Schedule B; Previous Permit
Oil & Grease, visual	No presence		LAG480000 Schedule B

Treatment: Equipment wash rack water is treated with four (4) sand traps, prior to commingling with untreated stormwater.

Monitoring Frequency: Daily for oil & grease (visual) and quarterly for all other parameters, at the point of discharge from the stormwater drain near the wash rack, north of the facility offices along River Road

Limits Justification: Limits are based on the Light Commercial General Permit, LAG480000 (Schedule B) and the previous permit.

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s.u. Standard Units

- (*) Retain inventory record (quantity and type) and Material Safety Data Sheet (MSDS) for each material used for three years.

NOTE

For outfalls containing concentration limits, the usage of concentration limits is based on BPJ for similar outfalls since the flow is variable and estimated.

STORM WATER POLLUTION PREVENTION PLAN (SWP3) REQUIREMENT

As per LAC 33:IX.2511.B.14.a-k, storm water discharges from facilities classified as SIC code 7699 and 7542 are not considered to be associated with industrial activities. Therefore, and SWP3 is not included in the permit.